

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 2 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.
 BORING ID: GP4-9
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	24"	0	gray graded base with gravel, silt, fine sand tan to gray fine SAND, trace gravel with broken rock; dry	
-1					0.0		
-2			2'		2		
-3							
-4							
-5							
-6							
-7							
-8							
-9							
-10							
-11							
-12							
-13							
-14							
-15							
-16							
-17							
-18							
-19							
-20							
Groundwater Measurements						Summary	
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill		
					Rock: NA		
					Well Depth: NA		
					Boring: 2'		

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.

BORING ID: GP4-8
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	48"	0	black asphalt and graded base		
-1					0.0	tan to gray fine SAND, trace gravel with broken concrete pieces; dry (FILL)		
-2					2			
-3					0.0	tan to gray fine to silty fine SAND, little medium sand; dry (FILL)		
-4					4			
-5	S2		5'	40"	0.9	black fine to silty fine SAND, trace medium sand, with wood; dry (FILL)		
-6					6			
-7					1.9			
-8					8			
-9					0.0			
-10	S3		10'	48"	10			see above with 6" concrete layer
-11					0.8			
-12					12			black fine to silty fine SAND, trace medium sand, trace coarse sand; moist to wet (FILL)
-13					0.7			
-14					14			
-15			15'			End of Boring at 15 feet; No Refusal		
-16								
-17								
-18								
-19								
-20								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 15'			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.

BORING ID: GP4-7
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	40"	0	black asphalt and graded base		
-1					0.0	tan to gray fine SAND, trace gravel with broken concrete pieces; dry (FILL)		
-2					2			
-3					1.3	tan to gray fine to silty fine SAND, little medium sand; dry		
-4					4			
-5	S2		5'	48"	1.1	black fine to silty fine SAND, trace medium sand, with wood; dry (FILL)		
-6					6			
-7					0.9			
-8					8			
-9					0.3			
-10	S3		10'	60"	10			see above with 6" concrete layer (FILL)
-11					2.6			
-12					12			black fine to silty fine SAND, trace medium sand, trace coarse sand; moist to wet
-13					1.3			
-14					14			
-15			15'			End of Boring at 15 feet; No Refusal		
-16								
-17								
-18								
-19								
-20								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 15'			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.

BORING ID: GP4-6
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)		
-1					0.0			
-2					2			
-3					0.0	tan to gray fine to silty fine SAND, little medium sand with wood and glass; dry (FILL)		
-4					4			
-5	S2		5'	48"	0.1			
-6					6	gray fine to silty fine SAND, trace medium sand with wood and glass; moist (FILL)		
-7					0.0			
-8					8			
-9					1.6			
-10	S3		10'	45"	10			
-11					0.0	gray to black fine SAND, little gravel, trace silt with wood; moist (FILL)		
-12					12			
-13					0.1	Approximate Water Table gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet		
-14					14			
-15			15'			End of Boring at 15 feet; No Refusal		
-16								
-17								
-18								
-19								
-20								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater	Measuring Point	Overburden: Fill; Sand				
				Rock: NA				
				Well Depth: NA				
				Boring: 15'				

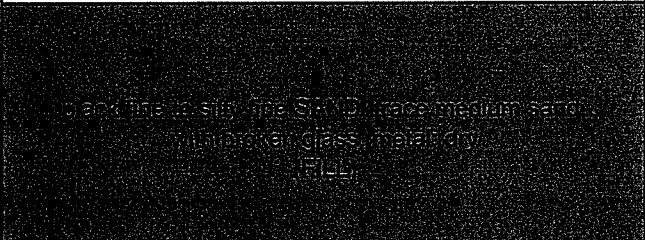


TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.

BORING ID: GP4-5
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)	
-1					0.0		
-2					2		
-3					2		
-4					0.9	tan to gray fine to silty fine SAND, little medium sand with wood and glass; dry (FILL)	
-5					4		
-6					4		
-7			5'		0.1		
-8	S2		5'	48"	6		
-9					6		
-10					0.6		
-11					8		
-12					8		
-13					0.4		
-14			10'		10		
-15	S3		10'	40"	10		
-16					0.0		
-17					12	Approximate Water Table gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet	
-18					0.1		
-19					14		
-20			15'			End of Boring at 15 feet; No Refusal	
-21							
-22							
-23							
-24							
-25							
-26							
-27							
-28							
-29							
-30							
-31							
-32							
-33							
-34							
-35							
-36							
-37							
-38							
-39							
-40							
-41							
-42							
-43							
-44							
-45							
-46							
-47							
-48							
-49							
-50							
-51							
-52							
-53							
-54							
-55							
-56							
-57							
-58							
-59							
-60							
-61							
-62							
-63							
-64							
-65							
-66							
-67							
-68							
-69							
-70							
-71							
-72							
-73							
-74							
-75							
-76							
-77							
-78							
-79							
-80							
-81							
-82							
-83							
-84							
-85							
-86							
-87							
-88							
-89							
-90							
-91							
-92							
-93							
-94							
-95							
-96							
-97							
-98							
-99							
-100							
-101							
-102							
-103							
-104							
-105							
-106							
-107							
-108							
-109							
-110							
-111							
-112							
-113							
-114							
-115							
-116							
-117							
-118							
-119							
-120							
-121							
-122							
-123							
-124							
-125							
-126							
-127							
-128							
-129							
-130							
-131							
-132							
-133							
-134							
-135							
-136							
-137							
-138							
-139							
-140							
-141							
-142							
-143							
-144							
-145							
-146							
-147							
-148							
-149							
-150							
-151							
-152							
-153							
-154							
-155							
-156							
-157							
-158							
-159							
-160							
-161							
-162							
-163							
-164							
-165							
-166							
-167							
-168							
-169							
-170							
-171							
-172							
-173							
-174							
-175							
-176							
-177							
-178							
-179							
-180							
-181							
-182							
-183							
-184							
-185							
-186							
-187							
-188							
-189							
-190							
-191							
-192							
-193							
-194							
-195							
-196							
-197							
-198							
-199							
-200							
-201							
-202							
-203							
-204							
-205							
-206							
-207							
-208							
-209							
-210							
-211							
-212							
-213							
-214							
-215							
-216							
-217							
-218							
-219							
-220							
-221							
-222							
-223							
-224							
-225							
-226							
-227							
-228							
-229							
-230							
-231							
-232							
-233							
-234							
-235							
-236							
-237							
-238							
-239							
-240							
-241							
-242							
-243							
-244							
-245							
-246							
-247							
-248							
-249							
-250							
-251							
-252							
-253							
-254							
-255							
-256							
-257							
-258							
-259							
-260							
-261							
-262							
-263							
-264							
-265							
-266							
-267							
-268							
-269							
-270							
-271							
-272							
-273							
-274							
-275							
-276							
-277							
-278							
-279							
-280							
-281							
-282							
-283							
-284							
-285							
-286							
-287							
-288							
-289							
-290							
-291							
-292							
-293							
-294							
-295							
-296							
-297							
-298							
-299							
-300							
-301							
-302							
-303							
-304							
-305							
-306							
-307							
-308							
-309							
-310							
-311							
-312							
-313							
-314							
-315							
-316							
-317							
-318							
-319							
-320							
-321							
-322							
-323							
-324							
-325							
-326							
-327							
-328							
-329							
-330							
-331							
-332							
-333							
-334							
-335							
-336							
-337							

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.:
 BORING ID: GP4-4
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)	
					0.0		
-1					2		
-2					2	tan to gray fine to silty fine SAND, little medium sand with wood and glass; dry (FILL)	
					0.0		
-3					4		
-4					4	black fine to silty fine SAND, trace medium sand with broken glass, asphalt pieces, concrete pieces, etc. (FILL)	
			5'		0.9		
-5	S2		5'	48"	6		
-6					6	gray to black fine SAND, little gravel, trace silt with wood; moist (FILL)	
					1.2		
-7					8		
-8					8	Approximate Water Table gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet	
					0.7		
-9			10'		10		
-10	S3		10'	40"	10	End of Boring at 15 feet; No Refusal	
					0.2		
-11					12		
-12					12	End of Boring at 15 feet; No Refusal	
					0.1		
-13					14		
-14						End of Boring at 15 feet; No Refusal	
			15'				
-15							
-16							
-17							
-18							
-19							
-20							
Groundwater Measurements						Summary	
Date	Time	Depth to Groundwater		Measuring Point	Overburden:	Fill; Sand	
					Rock:	NA	
					Well Depth:	NA	
					Boring:	15'	

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.

BORING ID: GP4-3
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample					PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)		
-1					0.0			
					2			
-2					2	tan to gray fine to silty fine SAND, little medium sand with wood and glass; dry (FILL)		
					0.0			
-3					4			
					4	gray fine to silty fine SAND, trace medium sand with broken glass, brick and wood; dry (FILL)		
-4			5'		0.9			
-5	S2		5'	48"	6			
					6	gray fine to silty fine SAND, trace medium sand with broken glass, brick and wood; dry (FILL)		
-6					1.2			
-7					8			
					8	gray fine to silty fine SAND, trace medium sand, moist		
-8					0.7			
-9			10'		10			
-10	S3		10'	40"	10	gray fine to silty fine SAND, trace medium sand, moist		
					0.2			
-11					12			
-12					12	Approximate Water Table		
					0.1	gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet		
-13					14			
-14								
			15'			End of Boring at 15 feet; No Refusal		
-15								
-16								
-17								
-18								
-19								
-20								
Groundwater Measurements							Summary	
Date	Time	Depth to Groundwater		Measuring Point	Overburden:	Fill; Sand		
					Rock:	NA		
					Well Depth:	NA		
					Boring:	15'		

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.

BORING ID: GP4-2
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)	
-1					0.1		
-2					2		
-3					2		
-4					0.0		
-5					4		
-6					4		
-7			5'		0.1		
-8					4		
-9	S2		5'	48"	0.1		
-10					6		
-11					6		
-12					0.1		
-13					8		
-14					8		
-15					0.3		
-16			10'		10		
-17	S3		10'	60"	10		
-18					0.9		
-19					12		
-20					12		
-21					0.6		
-22					14		
-23			15'				
-24							
-25							
-26							
-27							
-28							
-29							
-30							
-31							
-32							
-33							
-34							
-35							
-36							
-37							
-38							
-39							
-40							
-41							
-42							
-43							
-44							
-45							
-46							
-47							
-48							
-49							
-50							
-51							
-52							
-53							
-54							
-55							
-56							
-57							
-58							
-59							
-60							
-61							
-62							
-63							
-64							
-65							
-66							
-67							
-68							
-69							
-70							
-71							
-72							
-73							
-74							
-75							
-76							
-77							
-78							
-79							
-80							
-81							
-82							
-83							
-84							
-85							
-86							
-87							
-88							
-89							
-90							
-91							
-92							
-93							
-94							
-95							
-96							
-97							
-98							
-99							
-100							
-101							
-102							
-103							
-104							
-105							
-106							
-107							
-108							
-109							
-110							
-111							
-112							
-113							
-114							
-115							
-116							
-117							
-118							
-119							
-120							
-121							
-122							
-123							
-124							
-125							
-126							
-127							
-128							
-129							
-130							
-131							
-132							
-133							
-134							
-135							
-136							
-137							
-138							
-139							
-140							
-141							
-142							
-143							
-144							
-145							
-146							
-147							
-148							
-149							
-150							
-151							
-152							
-153							
-154							
-155							
-156							
-157							
-158							
-159							
-160							
-161							
-162							
-163							
-164							
-165							
-166							
-167							
-168							
-169							
-170							
-171							
-172							
-173							
-174							
-175							
-176							
-177							
-178							
-179							
-180							
-181							
-182							
-183							
-184							
-185							
-186							
-187							
-188							
-189							
-190							
-191							
-192							
-193							
-194							
-195							
-196							
-197							
-198							
-199							
-200							
-201							
-202							
-203							
-204							
-205							
-206							
-207							
-208							
-209							
-210							
-211							
-212							
-213							
-214							
-215							
-216							
-217							
-218							
-219							
-220							
-221							
-222							
-223							
-224							
-225							
-226							
-227							
-228							
-229							
-230							
-231							
-232							
-233							
-234							
-235							
-236							
-237							
-238							
-239							
-240							
-241							
-242							
-243							
-244							
-245							
-246							
-247							
-248							
-249							
-250							
-251							
-252							
-253							
-254							
-255							
-256							
-257							
-258							
-259							
-260							
-261							
-262							
-263							
-264							
-265							
-266							
-267							
-268							
-269							
-270							
-271							
-272							
-273							
-274							
-275							
-276							
-277							
-278							
-279							
-280							
-281							
-282							
-283							
-284							
-285							
-286							
-287							
-288							
-289							
-290							
-291							
-292							
-293							
-294							
-295							
-296							
-297							
-298							
-299							
-300							
-301							
-302							
-303							
-304							
-305							
-306							
-307							
-308							
-309							
-310							
-311							
-312							
-313							
-314							
-315							
-316							
-317							
-318							
-319							
-320							
-321							
-322							
-323							
-324							
-325							
-326							
-327							
-328							
-329							
-330							
-331							
-332							
-333							
-334							
-335							
-336							
-337							
-338							
-339							
-340							
-341							
-342							
-343							
-344							
-345							
-346							
-347							
-348							
-349							
-350							
-351							
-352							
-353							
-354							
-355							
-356							
-357							
-358							
-359							
-360							
-361							
-362							
-363							
-364							
-365							
-366							
-367							
-368							
-369							
-370							
-371							
-372							
-373							
-374							
-375							
-376							
-377							
-378							
-379							
-380							
-381							
-382							
-							

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 15 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.
 BORING ID: GP4-1
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)	
-1					0.1		
-2					2		
-3					2		
-4					0.0		
-5					4		
-6					4		
-7			5'		0.1		
-8	S2		5'	48"	0.1		
-9					6		
-10					6		
-11					0.1		
-12					8		
-13					8		
-14					0.3		
-15			10'		10		
-16	S3		10'	60"	10		
-17					0.9		
-18					12		
-19					12		
-20					0.6		
-21					14		
-22							
-23			15'				
-24	S4		15'				
-25							
-26							
-27							
-28							
-29							
-30							
-31							
-32							
-33							
-34							
-35							
-36							
-37							
-38							
-39							
-40							
-41							
-42							
-43							
-44							
-45							
-46							
-47							
-48							
-49							
-50							
-51							
-52							
-53							
-54							
-55							
-56							
-57							
-58							
-59							
-60							
-61							
-62							
-63							
-64							
-65							
-66							
-67							
-68							
-69							
-70							
-71							
-72							
-73							
-74							
-75							
-76							
-77							
-78							
-79							
-80							
-81							
-82							
-83							
-84							
-85							
-86							
-87							
-88							
-89							
-90							
-91							
-92							
-93							
-94							
-95							
-96							
-97							
-98							
-99							
-100							
-101							
-102							
-103							
-104							
-105							
-106							
-107							
-108							
-109							
-110							
-111							
-112							
-113							
-114							
-115							
-116							
-117							
-118							
-119							
-120							
-121							
-122							
-123							
-124							
-125							
-126							
-127							
-128							
-129							
-130							
-131							
-132							
-133							
-134							
-135							
-136							
-137							
-138							
-139							
-140							
-141							
-142							
-143							
-144							
-145							
-146							
-147							
-148							
-149							
-150							
-151							
-152							
-153							
-154							
-155							
-156							
-157							
-158							
-159							
-160							
-161							
-162							
-163							
-164							
-165							
-166							
-167							
-168							
-169							
-170							
-171							
-172							
-173							
-174							
-175							
-176							
-177							
-178							
-179							
-180							
-181							
-182							
-183							
-184							
-185							
-186							
-187							
-188							
-189							
-190							
-191							
-192							
-193							
-194							
-195							
-196							
-197							
-198							
-199							
-200							
-201							
-202							
-203							
-204							
-205							
-206							
-207							
-208							
-209							
-210							
-211							
-212							
-213							
-214							
-215							
-216							
-217							
-218							
-219							
-220							
-221							
-222							
-223							
-224							
-225							
-226							
-227							
-228							
-229							
-230							
-231							
-232							
-233							
-234							
-235							
-236							
-237							
-238							
-239							
-240							
-241							
-242							
-243							
-244							
-245							
-246							
-247							
-248							
-249							
-250							
-251							
-252							
-253							
-254							
-255							
-256							
-257							
-258							
-259							
-260							
-261							
-262							
-263							
-264							
-265							
-266							
-267							
-268							
-269							
-270							
-271							
-272							
-273							
-274							
-275							
-276							
-277							
-278							
-279							
-280							
-281							
-282							
-283							
-284							
-285							
-286							
-287							
-288							
-289							
-290							
-291							
-292							
-293							
-294							
-295							
-296							
-297							
-298							
-299							
-300							
-301							
-302							
-303							
-304							
-305							
-306							
-307							
-308							
-309							
-310							
-311							
-312							
-313							
-314							
-315							
-316							
-317							
-318							
-319							
-320							
-321							
-322							
-323							
-324							
-325							
-326							
-327							
-328							
-329							
-330							
-331							
-332							
-333							
-334							
-335							
-336							
-337							
-338							
-339							
-340							
-341							
-342							
-343							
-344							
-345							
-346							
-347							
-348							
-349							
-350							
-351							
-352							
-353							
-354							
-355							
-356							
-357							
-358							
-359							
-360							
-361							
-362							
-363							
-364							
-365							
-366							
-367							
-368							
-369							
-370							
-371							
-372							
-373							
-374							
-375							
-376							
-377							
-378							
-379							
-380							
-381							
-382							

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
Total Depth: 2 ft
Date Started: 12/9/2019
Casing ID:
Remarks: 6610 DT Geoprobe

Client: City of Waltham
Location: 240 Beaver St
Completed: 12/9/2019
Ground El.

BORING ID: GP3-1
Logged By: AMS
Contractor: Crawford
Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	18"	0.0	brown loamy soil	
-1						tan to brown loamy soil with brown fine SAND	
-2						End of Boring at 2 feet; Refusal at 2 ft	
-3							
-4							
-5							
-6							
-7							
-8							
-9							
-10							
-11							
-12							
-13							
-14							
-15							
-16							
-17							
-18							
-19							
-20							

Groundwater Measurements				Summary	
Date	Time	Depth to Groundwater	Measuring Point	Overburden:	Loamy soil
				Rock:	NA
				Well Depth:	NA
				Boring:	2 ft

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
Total Depth: 2 ft
Date Started: 12/9/2019
Casing ID:
Remarks: 6610 DT Geoprobe

Client: City of Waltham
Location: 240 Beaver St
Completed: 12/9/2019
Ground El.
BORING ID: GP3-2
Logged By: AMS
Contractor: Crawford
Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	18"	0.0	brown loamy soil	
-1						tan to brown loamy soil with brown fine SAND	
-2						End of Boring at 2 feet; Refusal at 2 ft	
-3							
-4							
-5							
-6							
-7							
-8							
-9							
-10							
-11							
-12							
-13							
-14							
-15							
-16							
-17							
-18							
-19							
-20							
Groundwater Measurements						Summary	
Date	Time	Depth to Groundwater	Measuring Point	Overburden: Loamy soil			
				Rock: NA			
				Well Depth: NA			
				Boring: 2 ft			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 2 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.

BORING ID: GP3-3
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	18"	0.0	brown loamy soil	
-1						tan to brown loamy soil with brown fine SAND	
-2						End of Boring at 2 feet; Refusal at 2 ft	
-3							
-4							
-5							
-6							
-7							
-8							
-9							
-10							
-11							
-12							
-13							
-14							
-15							
-16							
-17							
-18							
-19							
-20							
Groundwater Measurements						Summary	
Date		Time	Depth to Groundwater		Measuring Point	Overburden: Loamy soil	
						Rock: NA	
						Well Depth: NA	
						Boring: 2 ft	

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 9 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.

BORING ID: GP3-4
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	30"	0.0	4" Leaf Litter		
-1					1	broken glass pile		
-2					0.1			
					3	tan to brown fine to silty fine SAND, trace gravel, glass, wood, possible coal ash		
-3					3			
-4					1.2	black silty fine SAND, little coarse sand, trace gravel and wood, broken pieces of coal		
			5'		5			
-5			5'	48"	5			
-6					0.8	tan to brown silty fine SAND, little medium sand, trace gravel: moist to wet		
					7			
-7					7			
-8					0.2			
					9			
-9						End of Boring at 9 feet; No Refusal		
			10'					
-10								
-11								
-12								
-13								
-14								
-15								
-16								
-17								
-18								
-19								
-20								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill, Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 9 ft			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 9 ft
 Date Started: 12/9/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 12/9/2019
 Ground El.

BORING ID: GP3-5
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample					PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	30"	0.0		4" Leaf Litter	
-1					1		broken glass pile	
						0.0		
-2						0.0	tan to brown fine to silty fine SAND, trace gravel, glass, wood, possible coal ash	
						3		
					3			
-3						3		
						1.7		
-4						1.7	tan to brown silty fine SAND, little coarse sand, trace gravel and wood, broken pieces of glass	
			5'		5			
-5			5'	50"	5			
						0.1		
-6						0.1	tan to brown silty fine SAND, little medium sand, trace gravel: moist to wet	
						7		
-7						7		
						0.1		
-8						0.1		
						9		
-9							End of Boring at 9 feet; No Refusal	
			10'					
-10								
-11								
-12								
-13								
-14								
-15								
-16								
-17								
-18								
-19								
-20								
Groundwater Measurements							Summary	
Date	Time	Depth to Groundwater		Measuring Point		Overburden:	Fill, Sand	
						Rock:	NA	
						Well Depth:	NA	
						Boring:	9 ft	

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 9 ft
 Date Started: 5/28/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 225-227 Beaver St
 Completed: 5/28/2019
 Ground El. _____

BORING ID: GP2-3
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	40"	0.0	brown loamy soil tan to brown fine SAND, trace coarse sand with gravel; dry brown fine SAND, 8" coarse sand layer, gray gravel with silt lenses; dry brown fine SAND, trace medium sand with gravel and silt lenses; dry	
-1					1		
-2					0.0		
-3					3		
-4					3		
-5					0.0		
-6			5'		5		
-7	S2		5'	36"	5		
-8					0.0		
-9					7		
-10					7		
-11					0.0		
-12					9		
-13						End of Boring at 8 feet; Refusal at 9 ft	
-14			10'				
-15							
-16							
-17							
-18							
-19							
-20							
Note: 3 additional attempts did not drill past 9 feet							
Groundwater Measurements					Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand		
					Rock: NA		
					Well Depth: NA		
					Boring: 9 ft		

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 9 ft
 Date Started: 5/28/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 225-227 Beaver St
 Completed: 5/28/2019
 Ground El.

BORING ID: GP2-2
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample					PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	40"	0.0	brown loamy soil tan to brown fine SAND, trace coarse sand with gravel; dry See Above		
-1					1			
					0.0			
-2								
					3			
-3					3			
					0.0			
-4								
			5'		5			
-5	S2		5'	36"	5	brown fine SAND, trace medium sand with gravel and silt lenses; dry		
					0.0			
-6								
					7			
-7					7			
					0.0			
-8								
					9			
-9								End of Boring at 8 feet; Refusal at 9 ft
			10'					
-10								
-11								
-12								
-13								
-14								
-15								
-16								
-17								
-18								
-19								
-20								
						Note: 3 additional attempts did not drill past 9 feet		
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 9 ft			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 8 ft
 Date Started: 10/10/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 225-227 Beaver St
 Completed: 5/28/2019
 Ground El.
 BORING ID: GP2-1
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	40"	0.0	brown loamy soil tan to brown fine SAND, trace coarse sand with gravel; dry See Above	
-1					1		
-2					0.0		
-3					3		
-4					3		
-5					0.0		
-6			5'		5		
-7	S2		5'	36"	5		
-8					0.0		
-9					7		
-10					7		
-11					0.0		
-12					9		
-13							
-14							
-15							
-16							
-17							
-18							
-19							
-20							
Note: 3 additional attempts did not get past 9 feet							
Groundwater Measurements					Summary		
Date	Time	Depth to Groundwater	Measuring Point	Overburden: Fill; Sand			
				Rock: NA			
				Well Depth: NA			
				Boring: 8 ft			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 20 ft
 Date Started: 5/28/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/28/2019
 Ground El.:

BORING ID: GP1-8
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	40"	0	black asphalt and graded base tan to gray fine SAND, trace gravel with broken concrete pieces; dry (FILL)	
-1					0.0		
					2		
-2					2	tan to gray fine to silty fine SAND, little medium sand; dry	
					0.8		
-3					4		
-4					4		
			5'		1.1		
-5	S2		5'	48"	6		
-6					6		
					0.9		
-7					8		
-8					8		
					1.6		
-9			10'		10		
-10	S3		10'	60"	10		
					2.1		
-11					12		
-12					12		
					1.3		
-13					14		
-14					14		
			15'		0.7		
-15	S4		15'		16		
-16					16		
					0.1		
-17					18		
-18					18		
					0.0		
-19			20'		20		
-20						End of Boring at 20 feet; No Refusal	
Groundwater Measurements						Summary	
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand		
					Rock: NA		
					Well Depth: NA		
					Boring: 20'		

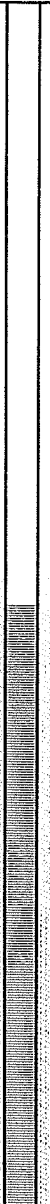
TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 20 ft
 Date Started: 5/28/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/28/2019
 Ground El.

BORING ID: GP1-7MW
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	40"	0	tan to brown fine SAND, little coarse sand trace medium sand with wood and gravel; dry (FILL)	
-1					0.1		
-2					2		
-3					2	tan to gray fine to silty fine SAND, little medium sand with wood and glass; dry	
-4					0.0		
-5					4		
-6					4		
-7			5'		0.1		
-8	S2		5'	48"	0.1	black fine to silty fine SAND, trace medium sand, with broken glass, asphalt pieces, concrete pebbles; dry	
-9					6		
-10					6		
-11					0.1		
-12					8		
-13					8	See Above	
-14					0.3		
-15			10'		10		
-16	S3		10'	60"	10		
-17					0.9		
-18					12	gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet	
-19					12		
-20					0.6		
-21					14		
-22					14		
-23			15'		0.1	gray fine to silty fine SAND, trace medium sand, trace coarse sand with silt lenses; wet	
-24	S4		15'		16		
-25					16		
-26					0.0		
-27					18		
-28					18	End of Boring at 20 feet; No Refusal	
-29					0.0		
-30			20'		20		
Groundwater Measurements						Summary	
Date	Time	Depth to Groundwater	Measuring Point	Overburden:	Fill; Sand		
				Rock:	NA		
				Well Depth:	NA		
				Boring:	20'		

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 20 ft
 Date Started: 5/28/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/28/2019
 Ground El.:
 BORING ID: GP1-6
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1


Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	40"	0.0	black asphalt and graded base tan to gray fine SAND, trace gravel with broken concrete pieces; dry (FILL)		
-1					1			
-2					0.0			
-3					3	tan to gray fine to silty fine SAND, little medium sand; dry		
-4					3			
-5					0.0			
-6			5'		5			
-7	S2		5'	48"	5			gray fine to silty fine SAND, trace medium sand, with pebbles; dry
-8					0.0			
-9					7			
-10					7			
-11					0.0			
-12					9			
-13					9			
-14			10'		0.1	gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet		
-15	S3		10'	60"	11			
-16					11			
-17					0.1			
-18					13			
-19					13			
-20					0.0			
-21			15'		15		gray fine to silty fine SAND, trace medium sand, trace coarse sand with silt lenses; wet	
-22	S4		15'		15			
-23					0.1			
-24					17			
-25					17			
-26					0.0			
-27					20			
-28			20'		20	End of Boring at 20 feet; No Refusal		
-29								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 20'			

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 20 ft
 Date Started: 5/28/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/28/2019
 Ground El.
 BORING ID: GP1-5MW
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	40"	0.0	black asphalt and graded base	
-1					1	tan to gray fine SAND, trace gravel with broken concrete pieces; dry (FILL)	
-2					0.0		
-3					3		
-4					3	tan to gray fine to silty fine SAND, little medium sand; dry	
-5					0.0		
-6			5'		5		
-7	S2		5'	48"	5	gray fine to silty fine SAND, trace medium sand, with pebbles; dry	
-8					0.0		
-9					7		
-10					7		
-11					0.0		
-12					9	Approximate Water Table	
-13					9		
-14			10'		0.1		
-15	S3		10'	60"	11		
-16					11		
-17					0.1	gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet	
-18					13		
-19					13		
-20					0.0		
-21					15		
-22	S4		15'		15	gray fine to silty fine SAND, trace medium sand, trace coarse sand with silt lenses; wet	
-23					0.1		
-24					17		
-25					17		
-26					0.0		
-27					20	End of Boring at 20 feet; No Refusal	
-28			20'		20		
Groundwater Measurements						Summary	
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand		
					Rock: NA		
					Well Depth: NA		
					Boring: 20'		

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 20 ft
 Date Started: 5/28/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/28/2019
 Ground El.

BORING ID: GP1-4
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	40"	0.0	black asphalt and graded base tan to gray fine SAND, trace gravel with broken concrete pieces; dry (FILL)	
-1					1		
-2					0.0		
-3					3	tan to gray fine to silty fine SAND, little medium sand; dry	
-4					3		
-5					0.0		
-6			5'		5		
-7	S2		5'	48"	5		
-8					0.0		
-9					7		
-10					7		
-11					0.0		
-12					9	gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet	
-13					9		
-14			10'		0.1		
-15	S3		10'	60"	11		
-16					11		
-17					0.1	gray fine to silty fine SAND, trace medium sand, trace coarse sand with silt lenses; wet	
-18					13		
-19					13		
-20					0.0		
-21					0.0		
-22			15'		15	End of Boring at 20 feet; No Refusal	
-23	S4		15'		15		
-24					0.1		
-25					17		
-26					17		
-27					0.0		
-28					0.0		
-29					20		
-30			20'		20		
-31							
Groundwater Measurements						Summary	
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand		
					Rock: NA		
					Well Depth: NA		
					Boring: 20'		

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 20 ft
 Date Started: 5/28/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/28/2019
 Ground El.

BORING ID: GP1-3MW
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery			
0	S1		0'	40"	0.0	black asphalt and graded base	
-1					1	tan to gray fine SAND, trace gravel with broken concrete pieces; dry (FILL)	
-2					0.0		
					3	tan to gray fine to silty fine SAND, little medium sand; dry	
-3					3		
					0.0		
-4							
			5'		5		
-5	S2		5'	48"	5	gray fine to silty fine SAND, trace medium sand, with pebbles; dry	
					0.0		
-6					7		
-7					7		
					0.0		
-8					9		
-9					9		
			10'		0.1		
-10	S3		10'	60"	11		
					11		
-11					0.1	gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet	
-12					13		
-13					13		
					0.0		
-14							
			15'		15		
-15	S4		15'		15		
					0.1		
-16					17		
					17		
-17						gray fine to silty fine SAND, trace medium sand, trace coarse sand with silt lenses; wet	
-18					0.0		
-19							
			20'		20		
-20						End of Boring at 20 feet; No Refusal	
Groundwater Measurements						Summary	
Date	Time	Depth to Groundwater		Measuring Point	Overburden:	Fill; Sand	
					Rock:	NA	
					Well Depth:	NA	
					Boring:	20'	

Groundwater Measurements

Summary

Date	Time	Depth to Groundwater	Measuring Point	Overburden: Fill; Sand
				Rock: NA
				Well Depth: NA
				Boring: 20'

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 20 ft
 Date Started: 5/28/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/28/2019
 Ground El.

BORING ID: GP1-2
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	40"	0.0	black asphalt and graded base tan to gray fine SAND, trace gravel with broken concrete pieces; dry (FILL)		
-1					1			
-2					0.0			
-3					3	tan to gray fine to silty fine SAND, little medium sand; dry		
-4					3			
-5					0.0			
-6					5			
-7	S2		5'	48"	5			
-8					0.0			
-9					7			
-10					7			
-11					0.0			
-12					9			
-13					9	gray fine to silty fine SAND, trace medium sand, with pebbles; dry		
-14					10'			
-15	S3		10'	60"	0.1			
-16					11			
-17					11			
-18					0.1			
-19					13			
-20					13			
-21					0.0			
-22					15			
-23	S4		15'		15			
-24					0.1			
-25					17			
-26					17			
-27					0.0			
-28								
-29								
-30			20'		20	End of Boring at 20 feet; No Refusal		
-31								
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater	Measuring Point	Overburden: Fill; Sand				
				Rock: NA				
				Well Depth: NA				
				Boring: 20'				

TEST BORING LOG

CDW Consultants, Inc.

Project No.: 1830
 Total Depth: 20 ft
 Date Started: 5/28/2019
 Casing ID:
 Remarks: 6610 DT Geoprobe

Client: City of Waltham
 Location: 240 Beaver St
 Completed: 5/28/2019
 Ground El.

BORING ID: GP1-1
 Logged By: AMS
 Contractor: Crawford
 Sheet #: 1

Depth (Feet)	Sample				PID Hdspace (ppmv)	Sample Description	Well Diagram	
	Type & Num.	Blows per 6 Inches	Depth Range	Recovery				
0	S1		0'	40"	0.0	black asphalt and graded base tan to gray fine SAND, trace gravel with broken concrete pieces; dry (FILL)		
-1					1			
-2					0.0			
-3					3	tan to gray fine to silty fine SAND, little medium sand; dry		
-4					3			
					0.0			
			5'		5			
-5	S2		5'	48"	5			
-6					0.0			
-7					7			gray fine to silty fine SAND, trace medium sand, with pebbles; dry
-8					7			
					0.0			
					9			
-9					9			
			10'		0.1			
-10	S3		10'	60"	11			
-11					11			
-12					0.1	gray fine to silty fine SAND, trace medium sand, trace coarse sand with gravel pieces; moist to wet		
-13					13			
-14					13			
					0.0			
			15'		15			
-15	S4		15'		15			
-16					0.1			
-17					17			
-18					17			gray fine to silty fine SAND, trace medium sand, trace coarse sand with silt lenses; wet
					0.0			
-19								
			20'		20			
-20						End of Boring at 20 feet; No Refusal		
Groundwater Measurements						Summary		
Date	Time	Depth to Groundwater		Measuring Point	Overburden: Fill; Sand			
					Rock: NA			
					Well Depth: NA			
					Boring: 20'			

